# Cytometer Performance Report

| | | | |
|---|---|---|---|
| Cytometer: | FACSCantoII | User: | Administrator |
| Cytometer Name: | FACSCantoII | Institution: | N/A |
| Serial Number: | V33896201821 | Software: | BD FACSDiva 6.1.3 |
| Input Device: | Carousel | Date: | 01/07/2016 10:12 AM |
| Tube Loaded Manually: | Yes | Cytometer Baseline: | 10/21/2015 09:33 AM |
| Cytometer Configuration: | Euroflow 3-laser, 8-color (4-2-2) | P/F: | Pass |

## Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016
Bead Lot Information: Available

## Detector Settings

| Laser | Detector | Parameter | Target Value | Actual Target Value | % Difference Target Value | Bright Bead % Robust CV | Mid Bead Median Channel | Mid Bead % Robust CV |
|---|---|---|---|---|---|---|---|---|
| Blue | FSC | FSC | 125000 | 125290 | 0 | 1.30 | 125158 | 1.21 |
| Blue | F | SSC | 125000 | 125215 | 0 | 3.10 | 126198 | 2.85 |
| Blue | E | FITC | 17224 | 16768 | -3 | 2.51 | 948 | 8.69 |
| Blue | D | PE | 22462 | 21890 | -3 | 2.06 | 988 | 7.95 |
| Blue | B | PerCP-Cy5-5 | 63940 | 63134 | -2 | 2.79 | 1667 | 12.52 |
| Blue | A | PE-Cy7 | 72480 | 71815 | -1 | 3.74 | 944 | 23.93 |
| Red | C | APC | 63778 | 62985 | -2 | 2.47 | 3558 | 7.77 |
| Red | A | APC-Cy7 | 97254 | 97367 | 0 | 2.47 | 1933 | 7.54 |
| Violet | B | V450 | 10730 | 10523 | -2 | 3.40 | 652 | 7.87 |
| Violet | A | V500 | 42147 | 41048 | -3 | 3.01 | 2322 | 5.50 |

## Detector Settings (Continued)

| Laser | Detector | Parameter | Dim Bead Median Channel | Dim Bead % Robust CV | PMTV | Δ PMTV | Qr | Br | P/F |
|---|---|---|---|---|---|---|---|---|---|
| Blue | FSC | FSC | 20261 | 1.94 | 585 | -35 | N/A | N/A | Pass |
| Blue | F | SSC | 62685 | 1.94 | 506 | -21 | N/A | N/A | Pass |
| Blue | E | FITC | 103 | 33.36 | 514 | -25 | 0.0263 | 54 | Pass |
| Blue | D | PE | 205 | 23.31 | 508 | -24 | 0.1740 | 106 | Pass |
| Blue | B | PerCP-Cy5-5 | 205 | 37.30 | 592 | -22 | 0.0123 | 0 | Pass |
| Blue | A | PE-Cy7 | 72 | 92.66 | 648 | -25 | 0.0160 | 8 | Pass |
| Red | C | APC | 337 | 25.13 | 575 | -9 | 0.0233 | 23 | Pass |
| Red | A | APC-Cy7 | 122 | 36.03 | 558 | -7 | 0.0053 | 709 | Pass |
| Violet | B | V450 | 70 | 39.20 | 449 | -25 | 0.0475 | 1539 | Pass |
| Violet | A | V500 | 152 | 19.61 | 478 | -25 | 0.0159 | 0 | Pass |

## Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

# Cytometer Performance Report

| | | | |
|---|---|---|---|
| Cytometer: | FACSCantoII | User: | Administrator |
| Cytometer Name: | FACSCantoII | Institution: | N/A |
| Serial Number: | V33896201821 | Software: | BD FACSDiva 6.1.3 |
| Input Device: | Carousel | Date: | 01/07/2016 10:12 AM |
| Tube Loaded Manually: | Yes | Cytometer Baseline: | 10/21/2015 09:33 AM |
| Cytometer Configuration: | Euroflow 3-laser, 8-color (4-2-2) | P/F: | Pass |

## Laser Settings

| Laser | Power (mW) | Power Spec. (mW) | Current (mA) | Current Spec. (mA) | Delay (Trigger on FSC) | Delay (Trigger on Fluorescence) | Area Scaling Factor |
|---|---|---|---|---|---|---|---|
| Violet | 59.62 | 47.70 - 71.54 | N/A | N/A | -31.13 | -30.57 | 0.81 |
| Blue | 20.46 | 16.35 - 24.53 | 1.26 | 1.00 - 1.50 | 0.00 | 0.00 | 1.29 |
| Red | 15.27 | 13.09 - 19.63 | N/A | N/A | 30.73 | 31.44 | 1.14 |

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

## Threshold

Threshold (FSC): 13788

## Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments